Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-07-30
Investment Auto Submission Date: 2012-02-24
Date of Last Investment Detail Update: 2012-02-24
Date of Last Exhibit 300A Update: 2012-05-30
Date of Last Revision: 2012-08-28

Agency: 019 - Department of Energy **Bureau:** 60 - Departmental Administration

Investment Part Code: 02

Investment Category: 00 - Agency Investments

1. Name of this Investment: Consolidated Infrastructure, Office Automation, and Telecommunications Program

2. Unique Investment Identifier (UII): 019-000001183

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The Department's Consolidated Infrastructure (CI) investment provides access to modern, reliable, and secure IT infrastructure to support and enhance DOE's business and processes, strategic priorities, and IT vision. The investment provides digital and emerging technologies to transform Departmental operations to improve effectiveness, cost-efficiency, and service delivery. It also provides the underlying infrastructure required to support a mobile workforce that utilizes energy efficient, leading-edge technologies. In addition, this investment is aligned with cross-agency initiatives such as Trusted Internet Connection (TIC), Cyber Security, IPv6, and HSPD-12. This investment primarily consists of End-User Support (EUSS), Telecommunications, Mainframes and Servers (TSS), and Cyber Security services (CSS). It covers a user base spanning Headquarters as well as Site Offices and Laboratory M&O Contractors. The DOE relies on and manages these IT services to enhance Mission Support and operating efficiencies, and to meet required service levels. This business case is an umbrella investment for the child investments reported under the DOE's CI investment. As such, this business case describes, at a very high level, the end-user support systems, telecommunications systems, mainframe/server system, and cyber security systems used across the DOE complex. The specific details of the individual investments that comprise this business case are embedded in the child investments. Planning and DME costs are

associated with each child investment; the majority of DME for all years addresses technology refresh for various systems such as desktops and servers. The DOE Identity Credential and Access Management (ICAM) initiative is an example of an investment that has a strong dependence on this infrastructure.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The DOE Office of the CIO is constantly closing performance gaps in support of the mission delivery and management support areas. Using a Service Oriented Architecture (SOA) approach in managing this IT consolidated infrastructure investment, the OCIO prioritizes projects by balancing most pressing needs with a policy of stewardship of scarce resources. To achieve efficiencies in information sharing, OCIO is in constant collaboration with the DOE mission programs to learn about their best practices and to provide guidance from a policy and governance perspective. DOE relies on and manages these IT services to enhance Mission Support and operating efficiencies, and to meet required service levels. As evidenced in the results of annual Gartner Group surveys of DOE Common Operating Environment (DOECOE) end users, DOE's infrastructure components are managed well within industry best practices for effectiveness and user satisfaction. DOE has conducted benchmarking for the Federal portion of the EUSS and was validated as well within industry best practices, metrics, and costs. Ongoing analysis of contractor facilities was previously being conducted to align those facilities with the metrics and costing established in the IT Infrastructure 5-Year Plan; alignment to the newer cloud computing initiative has replaced this effort. DOE has analyzed the current composition of this investment for BY2013 and elected to leave it a consolidated investment. This strategy will be revisited for reporting in the BY2014 cycle. Because this is a backend infrastructure investment, it is critical in its entirety. If the investment is not fully funded, then there could be unacceptable interruptions in system availability and user services, degraded performance, risk of compromise of data integrity, and even data loss.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

Set up structure and strategy for Commodity IT Computing Baseline and identify IT Cost saving and optimization opportunities Unified Communications and Collaboration PKI Legacy Upgrade RSA SecurID Token Exchange and System Upgrade Server virtualization implemented Some Green IT initiatives including data center cooling upgrades Thin Client prototype completed at Richland NNSA Application Data Hosting Upgrade NNSA Telephony VoIP Implementation NNSA Wiki Deployment.

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

A major activity that OCIO will undertake during the next annual reporting cycle will be to deconsolidate non-DOECOE, M&O and Site-Specific IT investments from this consolidated infrastructure Exhibit 300. Continued Cloud strategy implementation (PKI, energy.gov, FAS) (CY) Virtualizing the Desktops (CY) Transition Data Centers (CY) Segment Email Users (CY)

Evolve Service Catalog to Portfolio (CY) Plan and Execute Moves to Cloud Architecture (BY) SaaS Opportunities (BY) Automation Improvements (BY).

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-09-23

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$6.8	$0.8	$0.8	$1.1
DME (Excluding Planning) Costs:	$265.9	$58.2	$57.9	$51.0
DME (Including Planning) Govt. FTEs:	$0.6	$0.1	$0.1	$0.1
Sub-Total DME (Including Govt. FTE):	$273.3	$59.1	$58.8	$52.2
O & M Costs:	$5,199.7	$885.6	$905.4	$901.7
O & M Govt. FTEs:	$17.8	$3.6	$3.7	$3.7
Sub-Total O & M Costs (Including Govt. FTE):	$5,217.5	$889.2	$909.1	$905.4
Total Cost (Including Govt. FTE):	$5,490.8	$948.3	$967.9	$957.6
Total Govt. FTE costs:	$18.4	$3.7	$3.8	$3.8
# of FTE rep by costs:	39	6	6	1
Total change from prior year final President's Budget ($)		$3.3	$0.8	
Total change from prior year final President's Budget (%)		0.30%	0.10%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

The difference in funding levels from the FY 2012 President s Budget request for PY is $3.276028M or or 0.35%. The difference in funding levels from the FY 2012 President s Budget request for CY is $0.031243M or 0.00%. These nominal increases are attributable to the fulfillment of various requests and unfunded mandates that had not been planned into the existing service level agreements (SLAs).

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	8900	DEAC0604RL14383	NA	8900							
Awarded	8900	DEAB0107IM00180	NA	8900							
Awarded	8900	DEAC0705ID14516	NA	8900							
Awarded	8900	DEAC0605RL14655	NA	8900							
Awarded	8900	DEAC2401OH20115	NA	8900							
Awarded	8900	DEBP0001483	DEAB0108IM00192	8900							
Awarded	8900	DEIM0000597	NA	8900							
Awarded	8900	DEIM0000119	NA	8900							
Awarded	8900	DEAD0108IM00228	NA	8900							
Awarded	8900	DEAB0107IM00180	NA	8900							
Awarded	8900	DEAC0705ID14517	NA	8900							
Awarded	8900	DEAB0108IM00214	NA	8900							
Awarded	8900	DEAM0106IM00054	DEAM0106IM00054	8900							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
Planning and analysis to support the operation of an Enterprise PMO for IOAT has been an incremental tasking based on specific analysis products to be delivered. The supporting acquisition plan for the common IT infrastructure will be revised as the IT plan is further refined and

appropriate investments identified as supporting common infrastructure. This refinement effort is currently in progress. The restructuring of this investment may impact the updating of the Acquisition Plan, along with the earned value requirement. The Acquisition Plan is currently being reviewed in order to reflect new strategic directions of the Administration, such as the Cloud computing initiative. The earned value requirement is currently being reviewed for applicability.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-07-30

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
DCM	Data Center Modernizations	ABQ Data Center Relocation.			
FY2012 DME	FY2012 DME Milestones, FY2012 DME Milestone Activities	FY2012 DME Milestone Activities.			
FY2012 SS	FY2012 SS Milestones, FY2012 SS Milestone Activities	FY2012 SS Milestone Activities.			
ITSM	ITSM to the Cloud	ITSM to the Cloud.			
UCC	Unified Communications and Collaboration (UCC)	Includes VBrick, Cisco Unified Communications, Microsoft Lync projects.			
VDI	Virtual Desktop Infrastructure	Virtual Desktop Infrastructure.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
DCM	Data Center Modernizations							
FY2012 DME	FY2012 DME Milestones, FY2012							

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
	DME Milestone Activities							
FY2012 SS	FY2012 SS Milestones, FY2012 SS Milestone Activities							
ITSM	ITSM to the Cloud							
UCC	Unified Communications and Collaboration (UCC)							
VDI	Virtual Desktop Infrastructure							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
NONE								

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
First Call Resolution Rate.	Percent	Customer Results - Customer Benefit	Over target	75.000000	75.000000	75.000000	80.000000	Monthly
# of times per week back-up tapes are sent to the designated offsite storage site.	number times per week	Process and Activities - Security and Privacy	Under target	1.000000	1.000000	1.000000	1.000000	Monthly
Speed to answer.	Seconds	Customer Results - Timeliness and Responsiveness	Under target	45.000000	45.000000	45.000000	45.000000	Monthly
System Response Time.	Hours	Technology - Efficiency	Under target	2.000000	2.000000	2.000000	2.000000	Quarterly
Root cause analysis.	Days	Process and Activities - Cycle Time and Timeliness	Under target	10.000000	10.000000	10.000000	10.000000	Monthly